

MATERIAL SAFETY DATA SHEET

I. GENERAL INFORMATION

ENFORCER PRODUCTS, INC. P. O. BOX 1060 CARTERSVILLE, GA. 30120	MANUFACTURER'S PHONE NUMBER: (770) 386-0801 24 HOUR EMERGENCY NUMBER: 1-800-255-3924	HAZARD RATINGS: HEALTH_0_ REACTIVITY_0_ FLAMMABILITY_1_ PERSONAL PROTECTION__
PRODUCT NAME: ENFORCER RAT & MOUSE KILLER		EPA REG. NO.: 7173-128-40849
PREPARED BY: TRESSIE DEMPSEY		DATE: APRIL 2, 1997

II. INGREDIENTS

PRINCIPAL COMPONENTS	CAS NUMBER	PERCENT	OSHA PEL	ACGIH TLV	HAZARD DATA
CHLOROPHACINONE CHEMICAL NAME: 2-[(P-CHLOROPHENYL) PHENYLACETYL] 1, 3-INDANDIONE	3691-35-8	.005	N/A	N/A	LISTED BELOW
NON-TOXIC FOOD BASED INERTS: CHEMICAL FORMULA: C23H15CL03		99.995	N/A	N/A	
HAZARD DATA (AS END-USE PRODUCT): RAT, ORAL LD50: 50G/KG. RABBIT, DERMAL LD50: 128G/KG RABBIT, SKIN IRRITATION: NON-IRRITANT RAT, INHALATION LC-50: NO EFFECT 40G/MLxHR. RABBIT, EYE IRRITATION: NON-IRRITANT.					

III. PHYSICAL DATA

BOILING POINT: N/A	SPECIFIC GRAVITY: 2.60	VAPOR PRESSURE (mm Hg.): NEGLIGIBLE @ (MMHG) AT 20
MELTING POINT: 145-145°C (BUCHI 510)	MOLECULAR WEIGHT: 374.82	WATER SOLUBILITY: @ 25-30° : 3.23 MG / L
BULK DENSITY: 35 LBS / CU FT.	APPEARANCE & ODOR: MIXED GRAIN BAIT, ODORLESS	

IV. FIRE & EXPLOSION DATA

FLASHPOINT (Method used): N/A	AUTOIGNITION TEMPERATURE: N/A	FLAMMABLE LIMITS: N/A
LEL: N/A	UEL: N/A	EXTINGUISHING MEDIA: DRY CHEMICAL, CARBON DIOXIDE, FOAM, WATER FOG.
SPECIAL FIRE FIGHTING PROCEDURES: SELF-CONTAINED BREATHING APPARATUS (FULL-FACEPIECE) AND PROTECTIVE CLOTHING.		
UNUSUAL FIRE & EXPLOSION HAZARDS: NONE KNOWN		

V. REACTIVITY HAZARD DATA

STABILITY: <input checked="" type="checkbox"/> STABLE <input type="checkbox"/> UNSTABLE	CONDITIONS TO AVOID: PROTECT FROM LIGHT AND MOISTURE.		
INCOMPATABILITY (Materials to avoid):	ALKALIES		
HAZARDOUS POLYMERIZATION:	<input type="checkbox"/> WILL OCCUR	<input checked="" type="checkbox"/> WILL NOT OCCUR	CONDITIONS TO AVOID: NONE KNOWN
RAT & MOUSE KILLER PLACEPACKS ARE STABLE IN CONTAINER AND AFTER APPLICATION, WHEN PROTECTED FROM LIGHT AND MOISTURE. AVERAGE SHELF LIFE IS 2 YEARS.			
HAZARDOUS DECOMPOSITION PRODUCTS: COMBUSTION PRODUCTS ARE CARBON DIOXIDE AND CARBON MONOXIDE.			

VI. HEALTH HAZARD DATA	
PRIMARY ROUTES OF ENTRY: INHALATION [X] INGESTION [X] SKIN ABSORPTION [X] EYE [X] NOT HAZARDOUS	
ACUTE EFFECTS OF OVEREXPOSURE:	
SUMMARY OF RISKS:	CHLOROPHACINONE IS AN ANTICOAGULANT RODENTICIDE COMPOUND, OF THE INDANDIONE FAMILY. THE THRESHOLD LIMIT VALUE, BASED ON BEAGLE DOG STUDIES IS 10 G / KG VIA ORAL ROUTE. THIS PRODUCT REDUCES THE CLOTTING ABILITY OF THE BLOOD AND MAY CAUSE BLEEDING IN EXTREME CASES. CHRONIC EXPOSURE MAY RESULT IN AN ACCUMULATION IN THE SYSTEM RESULTING IN BLEEDING.
CARCINOGENICITY:	NTP? N/A IARC? N/A OSHA REGULATED ? N/A
MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: N/A	
EMERGENCY FIRST AID PROCEDURES:	
INGESTION:	HAVE PERSON DRINK 1 OR 2 GLASSES OF WATER AND INDUCE VOMITING BY TOUCHING THE BACK OF THROAT WITH FINGER. DO NOT GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. CALL A PHYSICIAN IMMEDIATELY. GET MEDICAL ATTENTION ASSISTANCE - COMMUNITY HOSPITAL, PHYSICIAN OR POISON CONTROL CENTER. GET MEDICAL HELP FOR FURTHER TREATMENT, OBSERVATION AND SUPPORT AFTER FIRST AID, IF REQUIRED. MONITOR PROTHROMBIN TIMES FOR A MINIMUM OF 5 - 7 DAYS. INTRAVENOUS AND ORAL ADMINISTRATION OF VITAMIN K1 SHOULD BE GIVEN IF LAB RESULTS INDICATE AN EFFECT ON BLOOD CLOTTING TIME. ONE OUNCE OF PRODUCT INGESTED MAY EFFECT PROTHROMBIN TIMES. CHRONIC INGESTION OVER SEVERAL DAYS WOULD REQUIRE LESS PRODUCT TO IMPACT ON THE CLOTTING ABILITY OF BLOOD. IF ADMINISTRATION OF VITAMIN K1 IS INITIATED ON A DAILY BASIS, CONTINUE TO MONITOR CLOTTING TIMES FOR A PERIOD OF 30 DAYS, SINCE CLOTTING TIMES MAY DROP TO NORMAL FOR SHORT PERIODS THEN INCREASE AGAIN. THIS PRODUCT DOES HAVE A PROLONGED ANTICOAGULANT ACTION WHICH MAY PERSIST FOR UP TO 45 DAYS.
SKIN CONTACT:	IMMEDIATELY WASH THOROUGHLY WITH SOAP AND WATER. THEN FLUSH WITH LARGE AMOUNTS OF RUNNING WATER FOR AT LEAST 5 MINUTES.
INHALATION:	REMOVE PERSON TO FRESH AIR. PROLONGED INHALATION, MORE THAN 4 HOURS MAY BE SUFFICIENT TO AFFECT CLOTTING ABILITY OF THE BLOOD. SEE A PHYSICIAN IMMEDIATELY AND MONITOR PROTHROMBIN TIMES FOR SEVERAL DAYS (5 - 7) TO DETERMINE IF THERE HAS BEEN AN EXPOSURE OF CONCERN. IF CLOTTING TIMES ARE EXTENDED, THEN ANTICOAGULANT POISONING IS PROBABLE. ADMINISTER VITAMIN K1 AS IN THE CASE OF HEMORRHAGE CAUSED BY OVERDOSES OF BISHYDROXYCOUMARIN. SHOULD BE REPEATED OVER A PERIOD OF MINIMUM TWO TO THREE WEEKS.
EYE CONTACT:	IMMEDIATELY FLUSH EYES, INCLUDING UNDER THE EYELIDS, WITH LARGE AMOUNTS OF RUNNING WATER FOR AT LEAST 5 MINUTES.

VII. CONTROL AND PROTECTIVE MEASURES	
EYE PROTECTION:	SAFETY GLASSES WHEN APPLYING OR CLEAN UP A SPILL.
RESPIRATORY PROTECTION (specify):	N/A
SKIN PROTECTION:	PROTECTIVE GLOVES, IMPERVIOUS
VENTILATION:	N/A
OTHER PROTECTION:	COVERALLS DURING HANDLING, APPLICATION & CLEANUP ACTIVITIES. REMOVE CONTAMINATED CLOTHING AND HAVE CLEANED.

VIII. SPECIAL PRECAUTIONS

HANDLING AND STORING PROCEDURES:	ALWAYS USE PROTECTIVE GLOVES AND CLOTHING WHEN HANDLING, USING OR CLEANING UP THIS PRODUCT. STORE IN ORIGINAL CONTAINER IN A COOL, DRY PLACE INACCESSIBLE TO CHILDREN, PETS AND WILDLIFE. AVOID SKIN CONTACT. DO NOT TAKE INTERNALLY. DO NOT CONTAMINATE WATER, FOOD OR ANIMAL FEED BY STORAGE OR DISPOSAL.
RELEASE OR SPILL PROCEDURES:	NOTIFY SAFETY PERSONNEL OF LARGE RAT AND MOUSE KILLER SPILL OR LEAK. LIMIT ACCESS TO THE SPILLED AREA TO NECESSARY PERSONNEL ONLY. REMOVE BROKEN OR LEAKING CONTAINERS TO SAFE PLACE, IF FEASIBLE. THOSE INVOLVED IN THE CLEANUP NEED PROTECTION AGAINST CONTACT WITH POWDER AND INHALATION OF MATERIAL. SCOOP UP AREA, CLEAN WITH WATER TRAP OR ASBESTOS FILTERS (< 1 MICRON SIZE). WIPE UP ANY REMAINING DUST WITH DAMP ABSORBENT TISSUES WHILE WEARING GLOVES. DISPOSE OF WATER OR TISSUES AS STATED IN THE WASTE DISPOSAL METHOD BELOW.
WASTE DISPOSAL METHOD:	PLACE WASTE IN A SUITABLE CONTAINER FOR DISPOSAL ON SITE OR AT AN APPROVED WASTE FACILITY OR BY THE INCINERATION IF APPROVED BY STATE AND LOCAL REGULATIONS. FOLLOW ALL FEDERAL, STATE AND LOCAL REGULATIONS. THE EPA CLEAN WATER ACT REPORTABLE QUANTITY: NOT LISTED AS HAZ. MATERIAL. THE SARA TITLE III REPORTABLE QUANTITY: 10,000 LBS.
OTHER PRECAUTIONS:	KEEP THIS AND ALL CHEMICALS OUT OF REACH OF CHILDREN AND PETS.

IX. ADDITIONAL INFORMATION

PROPER DOT SHIPPING NAME:	CONSUMER COMMODITY, ORM-D (CONTAINS CHLOROPHACINONE)
BIODEGRADABILITY:	ORGANIC PORTION BIODEGRADABLE
WARRANTY:	SELLER MAKES NO WARRANTY, EXPRESSED OR IMPLIED, CONCERNING THE USE IF THIS PRODUCT OTHER THAN INDICATED ON THE LABEL. BUYER ASSUMES ALL RISK OF USE AND/OR HANDLING OF THIS MATERIAL WHEN SUCH USE AND/OR HANDLING IS CONTRARY TO LABEL INSTRUCTIONS.
THIS INFORMATION COMPLIES WITH OSHA HAZARD COMMUNICATION STANDARD 29 CFR 1910.1200.	

***** END OF REPORT *****